

ICACI Student Chapter conducted an Essay Writing Competition

The India Chapter of the American Concrete Institute (ACI) Student Chapter conducted an Essay Writing Competition on December 27, 2024, focused on raising awareness about ACI codes. The event aimed to engage students in understanding the significance of ACI's standards and guidelines in the field of concrete construction and design.

ACI codes are essential for ensuring safety, quality, and sustainability in concrete structures. These codes provide a systematic approach to the design, construction, and maintenance of concrete structures, addressing critical aspects such as material specifications, structural integrity, and durability. The competition encouraged students to delve into various ACI codes, highlighting their role in enhancing the performance of concrete in real-world applications.

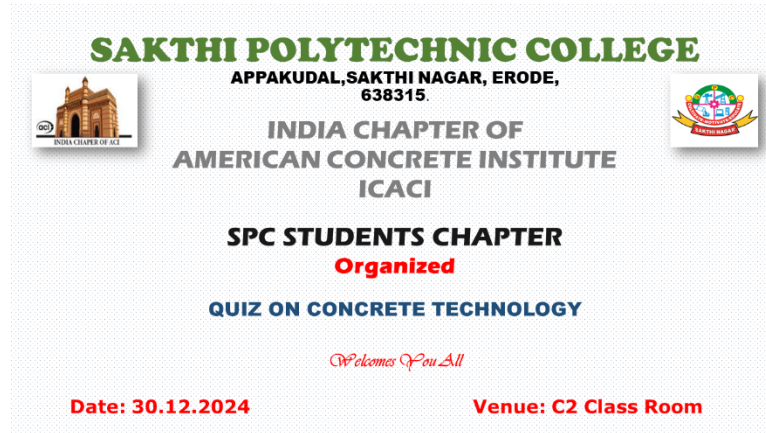


The event was an excellent platform for students to expand their knowledge of concrete engineering, while also fostering a deeper appreciation for the importance of standardized codes in the construction industry. It further aimed to develop future engineers who are well-versed in global practices and ready to implement ACI codes in their professional careers.

Overall, the competition was an enriching experience that promoted the sharing of ideas and knowledge among young minds, empowering them to contribute to the ongoing development of the construction industry.

ICACI Student Chapter organized an engaging *Quiz on Concrete Technology*

The India Chapter of the American Concrete Institute (ACI) Student Chapter organized an engaging *Quiz on Concrete Technology* on December 30, 2024. The event ensured active participation from the student members of the chapter, providing a platform for them to test and enhance their knowledge of concrete technology, IS concrete codes and its applications in the modern construction industry.



The quiz covered a wide range of topics, including concrete materials, mix design, durability, testing methods, and the latest advancements in concrete technology. It was designed not only to assess the students' understanding of fundamental concepts but also to challenge them with real-world scenarios and current industry practices. The quiz format was both informative and interactive, fostering a competitive spirit among the participants while ensuring that learning was at the forefront of the event.



Overall, the *Quiz on Concrete Technology* proved to be a successful and enriching event, offering both fun and learning while strengthening the bond among the student members of the ACI Student Chapter. It contributed significantly to their professional development, preparing them for the challenges of the industry.

ICACI Student Members Participate in Project Expo 2025 at PolyFiesta 2025, KSR Educational Institutions, Namakkal on January 29, 2025

The student members of ICACI participated in the prestigious Project Expo 2025, held at Poly Fiesta 2025, organized by KSR Educational Institutions in Namakkal. The event provided an excellent platform for students to showcase their innovative projects and research in various fields.



Among the various impressive projects, ICACI student members presented their project on IS and ACI Code – Maturity Method of Concrete Strength Assessment through IoT Monitoring. The project aimed to highlight the use of modern technology in assessing the strength of concrete by using the maturity method, supported by Internet of Things (IoT) monitoring systems. This cutting-edge approach allows for real-time monitoring and efficient assessment of concrete curing, offering significant advancements in construction practices.

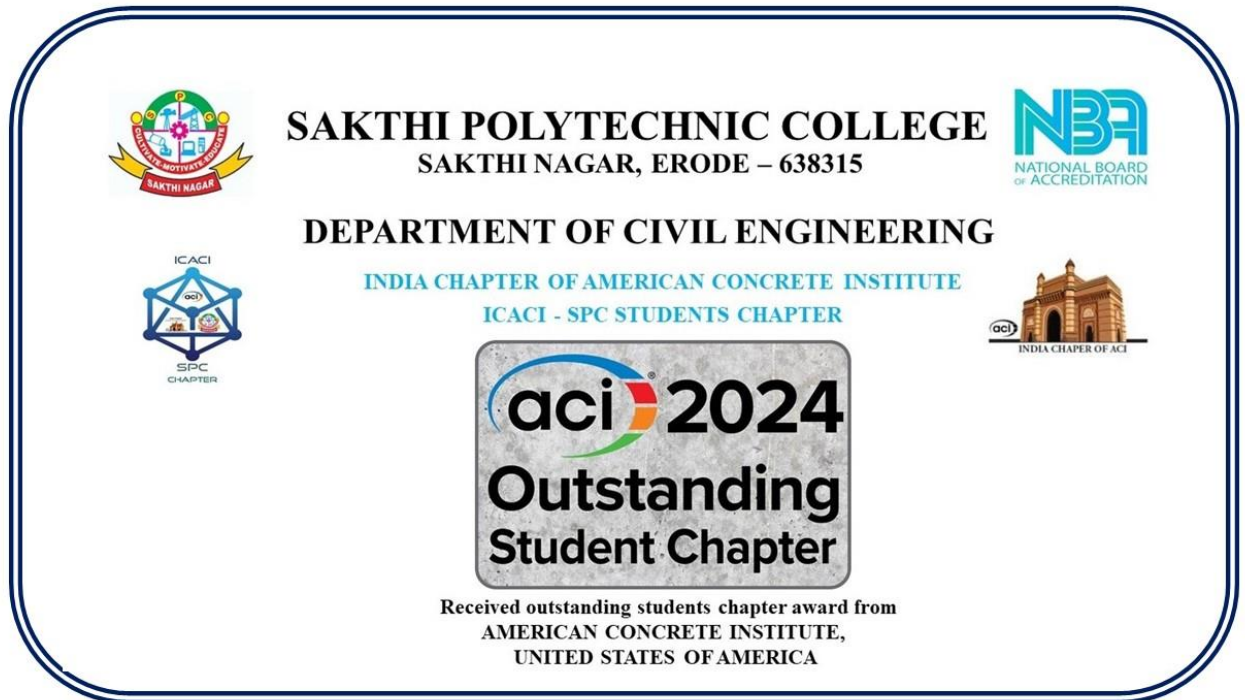


The project received positive attention and valuable feedback, reflecting the technical expertise and creativity of ICACI's student members. Their participation in such a high-profile event underscores their commitment to exploring innovative solutions in civil engineering and contributing to the advancement of the industry.

Outstanding Achievement: ACI Student Chapter Award on 12.02.2025

We are proud to announce that our ACI Student Chapter has been conferred with the prestigious Outstanding Student Chapter Award for 2024. This remarkable achievement is a testament to the hard work and dedication of our faculty advisors, staff members, and students.

The American Concrete Institute (ACI) called for student chapter award applications worldwide, and our chapter emerged as the sole winner from India, specifically polytechnic from South India. This accolade is a shining example of our institution's commitment to excellence in civil engineering education.

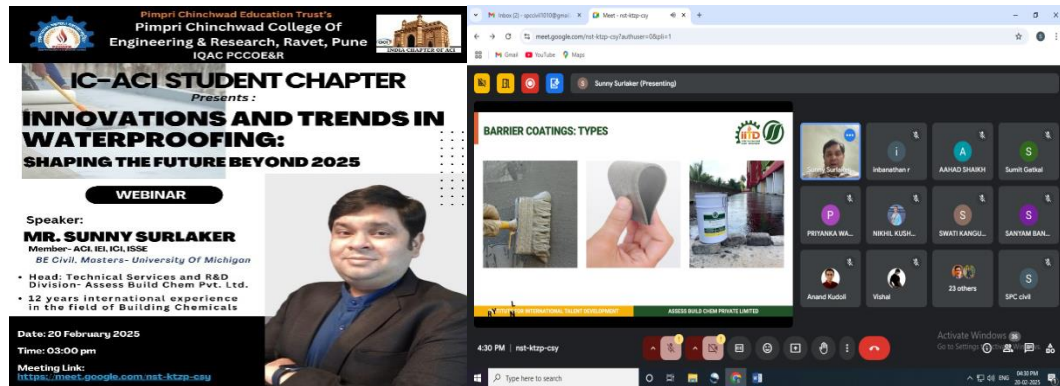


Under the guidance of Dr. R. Shanmugam, Faculty Advisor, and Mr. V. Manimuthu, Coordinator, our ACI Student Chapter has consistently demonstrated exceptional performance. The chapter's success can be attributed to the collaborative efforts of our faculty and staff members, as well as the enthusiasm and participation of our civil engineering students.

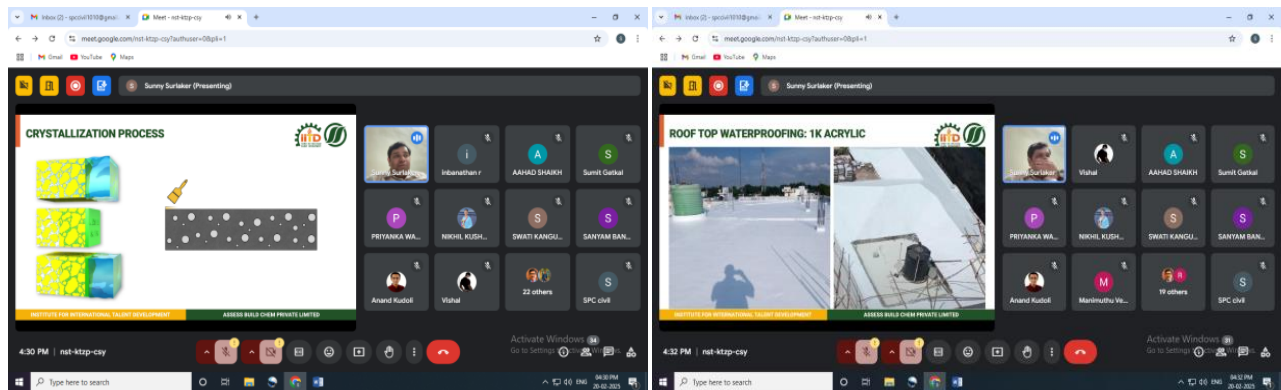
This Outstanding Student Chapter Award is a significant milestone for our institution, and we are honored to receive this recognition. We express our gratitude to ACI for this prestigious award and look forward to continued excellence in civil engineering education.

“The members of the IC-ACI SPC Student Chapter from the Civil Engineering Department participated in an insightful online webinar titled Innovations and Trends in Waterproofing on 20.02.2025”

The members of the IC-ACI SPC Student Chapter from the Civil Engineering Department of Sakthi Polytechnic College participated in an insightful online webinar titled Innovations and Trends in Waterproofing*. The webinar was conducted by Mr. Sunny Surlaker, the Head of Assess Build Chem Pvt. Ltd, and was organized by PimpriChinchwad College of Engineering & Research, Pune.



The session provided valuable knowledge and in-depth insights into the latest innovations and trends in the field of waterproofing, a crucial aspect of construction and civil engineering. Mr. Surlaker, with his extensive expertise and industry experience, elaborated on various waterproofing techniques, materials, and technologies that are currently transforming the construction industry. He also highlighted the importance of waterproofing in enhancing the durability, safety, and sustainability of buildings and infrastructure.



The members of the IC-ACI SPC Student Chapter actively engaged in the session, learning about the practical applications and future trends in the waterproofing domain. The webinar provided an excellent opportunity for the students to interact with industry experts, gain exposure to real-world challenges, and stay updated with the latest trends in construction technology.

The Civil Engineering students found the webinar extremely informative and enriching, as it enhanced their understanding of the practical aspects of waterproofing in construction projects. The knowledge gained from the session will undoubtedly benefit their academic and professional pursuits, as they will be better equipped to address waterproofing-related challenges in their future careers.

“India Chapter of American Concrete Institute, Mumbai Sponsored All India Students Concrete Cube Competition 2024, Conducted by Sakthi Polytechnic College Civil Engineering Department ICACI- Student’s Chapter on 15.03.2025

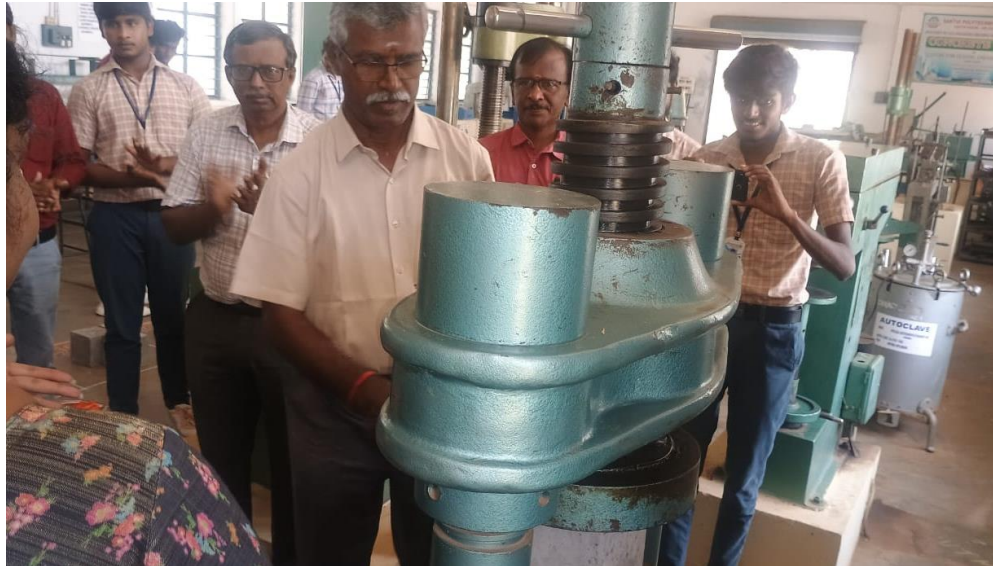
The All India Students Concrete Cube Competition 2024, sponsored by the India Chapter of the American Concrete Institute (ICACI), Mumbai, was successfully organized by the Department of Civil Engineering at Sakthi Polytechnic College, Erode on 15th March 2025. This prestigious event was held under the guidance of the ICACI Student’s Chapter, providing a platform for Civil Engineering students from across the nation to demonstrate their knowledge and skills in concrete cube testing.



The competition saw active participation from various esteemed institutions, including Kongu Polytechnic College, Perundurai, Shree VenkateswaraHitech Polytechnic College, Gobi, KSR Institute of Technology, Namakkal, Muthayammal Polytechnic Institutions, Rasipuram, and Sakthi Polytechnic College, with a total registration of 10 teams. The event was designed to promote practical learning and foster healthy competition among students.

The event kicked off with the registration process, where students from participating colleges gathered to be a part of the competition. The Welcome Address was delivered by Dr. R. Shanmugam, Faculty Advisor of the ICACI Student’s Chapter at Sakthi Polytechnic College, who outlined the significance of concrete cube testing in Civil Engineering and explained the structure of the competition.





Following the welcome address, the Presidential Address was given by Dr. S. SenthilArasu, Principal of Sakthi Polytechnic College. Dr.SenthilArasu emphasized the importance of such events in enhancing students' practical knowledge and preparing them for real-world engineering challenges. The Inaugural Address was then delivered by Dr.K.R.Muthuswamy, Director of Sakthi Polytechnic College, who expressed his gratitude to the participants and highlighted the role of technical events in shaping the careers of engineering students.



After the formal addresses, Dr. R. Shanmugam took the stage again to explain the rules and guidelines of the competition, ensuring that all participants were well-prepared for the upcoming task. He clarified the procedure for cube testing, the evaluation criteria, and how marks would be awarded for accuracy, technique, and adherence to testing standards.

The competition involved hands-on concrete cube testing, where each team was required to perform the testing under controlled conditions. The teams from all the participating colleges followed the detailed instructions carefully, ensuring a fair and structured testing process. The students demonstrated a high level of competence, and the event was marked by a spirit of collaboration and professionalism.



After completing the testing, the results were carefully calculated, and the Prize Distribution Ceremony was held. The awards were presented by Dr. S. SenthilArasu, Principal of Sakthi Polytechnic College, who congratulated the winners and presented certificates to all participants.

The winners of the competition were:

1. First Prize: Kongu Polytechnic College, Perundurai – ₹10000/-
2. Second Prize: Shree VenkateswaraHitech Polytechnic College, Gobi – ₹7000/-
3. Third Prize: Sakthi Polytechnic College – ₹3000/-

The prizes were sponsored by the India Chapter of the American Concrete Institute, Mumbai, and the winners were recognized for their exceptional performance and adherence to testing standards.



The Valedictory Function was a reflective session where participants shared their experiences and takeaways from the competition. The event not only allowed students to apply their theoretical knowledge but also gave them the opportunity to interact with peers from other institutions. We are thankful to Dr. G. S. Rampradheep, Director of ICACI – Southern Region, for providing valuable guidance and motivation for the event.

Organizing Committees and Support:

The event was made possible by the collective efforts of various organizing committees, which included:

- Registration Committee
- Invitation and Flex Banner Works
- Cube Testing
- Hospitality
- Photography and Video Documentation
- Reception and Valedictory Functions



The Department of Civil Engineering Staff played an instrumental role in the successful execution of the event, with the following individuals contributing significantly:

- Mrs. C. Sowmitha, Lecturer
- Mr. M. Chandran, Lecturer
- Mr. P. Dhanasekaran, Junior Drafting Officer
- Mr. S. Marimuthu, Skilled Assistant
- Mr. P. G. SanjaiPrasath, Lab Assistant
- Mrs. K. Malarvizhi, Lab Assistant

Additionally, the ICACI-Student Chapter Mr.M.Kavin, President, Mr.R.Vignesh, Vice President and members from the second and third-year Civil Engineering students at Sakthi Polytechnic College actively contributed to the smooth running of the event, demonstrating their enthusiasm and dedication.



The event concluded with a Vote of Thanks by Mr. V. Manimuthu, Coordinator of the ICACI Student's Chapter at Sakthi Polytechnic College. He expressed gratitude to the dignitaries, participants, guests, and all those involved in making the event a resounding success. Special thanks were also given to the sponsors, India Chapter of the American Concrete Institute, Mumbai, for their generous support in organizing the event.



The All India Students Concrete Cube Competition 2024 was an enriching and successful event that provided students with a practical learning experience in concrete testing, enhanced their technical skills, and promoted camaraderie among students from various institutions. The event highlighted the importance of hands-on experience in Civil Engineering and proved to be a great platform for students to exchange ideas and learn from one another.

Through this competition, the Department of Civil Engineering at Sakthi Polytechnic College continues to foster an environment of excellence, innovation, and practical learning for our students.

Civil Engineering students, members of the American Concrete Institute (ACI), attended an online webinar organized by the ICACI Mumbai Chapter on 20.03.2025

The webinar focused on the importance of curing in concrete, titled Curing is Good. The webinar featured two esteemed speakers: William J. Gold, Senior Engineer, American Concrete Institute Shared his expertise on the significance of curing in concrete and its impact on the material's properties. Amit Barde, Larsen & Toubro, provided insights into the practical aspects of curing in concrete, highlighting its importance in construction projects.

India Chapter of American Concrete Institute

Curing is Good

Date : Thursday, 20th March 2025
Time : 5.30 PM Indian Standard Time (IST) / 8.00 AM USA TIME (ET)

About the Webinar: Concrete curing is the process by which hydraulic cementitious concrete matures and develops hardened properties over time. It is a result of the continued hydration of the cementitious materials and requires the presence of sufficient water and heat. This presentation will give a short overview of concrete curing. It will mainly focus on external curing of flatwork concrete; however, internal curing will also be briefly discussed. Different curing methods will be reviewed and their effect on desired concrete properties will be presented.

Learning Objectives:

1. Define curing and related terms
2. Recall different curing methods
3. Examine research findings on curing
4. Review minimum curing requirements from ACI, AASHTO, and state DOTs
5. Explain curing timing in relation to construction activities

Registration link: <https://attendee.gotowebinar.com/register/5701435528071243094>

LUCKY DRAW

One Lucky Webinar Attendee will win a One Year subscription to:

- ACI Collection of Concrete Codes, Specifications and Practices worth \$850 OR Individual Membership worth \$259 + Value. OR
- All-Access Digital Subscription worth \$299 OR Concrete Repair Digital Subscription worth \$249

William J. Gold
Speaker

William Gold is a Senior Engineer at the American Concrete Institute. He has over 25 years of experience in the concrete and construction chemicals industry. His interests and expertise includes structural engineering, FRP materials, concrete repair and rehabilitation, and building envelopes. He holds a Bachelor's degree from the University of Kansas in Architectural Engineering and completed post-graduate work at Penn State University and the Missouri University of Science and Technology. Mr. Gold is former Chairman of ACI Committee 440 on FRP Reinforcement of Concrete Structures and is active in ASTM and the Canadian Standards Association. He is a registered Professional Engineer in the State of Ohio.

Amit Barde
Moderator

Amit Barde joined India's leading construction company M/s Larsen & Toubro Ltd as a part of the "Precast Initiative" of the Residential Buildings S&B in 2012 with over a decade of Precast Construction experience in the United States with a leading precast concrete manufacturer. He is currently heading Precast Initiative for Buildings & Factories IC & actively involved in developing and promoting Precast Technology adoption in Residential & Commercial Buildings Sector. He is known for expertise in a variety of residential, commercial & industrial precast concrete buildings. He graduated with honors from Government College of Engineering, Pune and pursued higher studies at Prestigious Purdue University, USA to complete MS in Civil Engineering. He is a licensed Professional Structural Engineer in US & Navi Mumbai & also a USGBC, LEED Certified Professional.

Shri. Sourabh Manjrekar
President

Dr. Vishal Thombare
Vice President

Dr. Yogini Deshpande
Hon. Secretary

Special Thanks to our India Chapter of ACI Technical Webinars Organizing Committee:

Shri. Satish C. Dhupelia
Past President

Shri. Chetan Raikar
Past President

Shri. Umesh Magar
Director

INDIA CHAPTER OF ACI

PROGRESS THROUGH KNOWLEDGE

The webinar emphasized the crucial role of curing in achieving high-quality concrete. Students gained valuable knowledge on:

- ✚ The importance of proper curing techniques
- ✚ The impact of curing on concrete's strength, durability, and sustainability
- ✚ Best practices for curing in various construction applications

The online webinar provided a platform for students to interact with industry experts, ask questions, and gain insights into the latest developments in concrete technology. The ICACI Mumbai Chapter's online webinar on "Curing is Good" was a valuable learning experience for ACI student members. The event reinforced the importance of curing in concrete and provided students with practical knowledge and industry insights.